

AMENDMENTS IN THE CLAIMS

Please cancel claims 2, 5 and 6 without prejudice or disclaimer of their subject matter, amend claims 1, 3, 4, 7-9 and 13, and add new claims 19 and 20 to read as follows:

1 1. (Currently Amended) A method ~~for automatically verifying a security code set in of~~
2 operating a computer ~~whose operations are controlled~~ by a remote controller, the method comprising
3 the steps of:

4 pressing a button on ~~an input device~~ the remote controller;

5 transmitting ~~said~~ a first security code stored in the remote controller to ~~said~~ the computer;

6 checking whether ~~the set~~ a second security code stored within the computer is ~~matched with~~
7 the same as the transmitted first security code; and

8 ~~if matched,~~ automatically converting an operation mode of the computer from a non-normal,
9 non-power off mode into a normal mode when the first security code is the same as the second
10 security code.

1 2. (Canceled)

1 3.(Currently Amended) The method of claim 1, ~~wherein said~~ the input device is being a
2 wireless remote controller.

1 4. (Currently Amended) The method of ~~claim 3~~ claim 1, wherein a shell program inside ~~said~~
2 the computer for verification is adapted to perform the checking step of said input security code data.

1 5. (Canceled)

1 6. (Canceled)

1 7. (Currently Amended) The method of claim 1, wherein said computer comprises an
2 operating system (OS) program ~~such as Windows to perform said checking step~~ verify that the input
3 ~~security code matches the set security code inside said computer.~~

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1 8. (Currently Amended) The method of claim 1, ~~wherein the function to verify a security~~
2 ~~code is provided for power saving and security of the computer, and is performed just before a power~~
3 ~~state of the computer is converted into a normal state from a stand-by state~~ the computer is in a
4 standby mode immediately prior said conversion to said normal state, said standby mode being a
5 power saving state where an amount of power delivered to the computer is less than normal but
6 greater than zero, said standby mode being said non-normal, non-power off mode.

1 9. (Currently Amended) The method of claim 3, ~~wherein the function to verify a security~~
2 ~~code is provided for power saving and security of the computer, and is performed just before a power~~
3 ~~state of the computer is converted into a normal state from a stand-by state~~ the computer is in a
4 screen saver mode immediately prior said conversion to said normal mode, said screen saver mode
5 being said non normal non power off mode.

1 10.(Original) A method for automatically verifying a security code of a multi-user computer
2 via one of a plurality of cordless remote controllers, the method comprising the steps of:

3 operating one of said plurality of remote controllers to turn on and boot said computer;

4 waiting a predetermined period of time for said computer to lapse into a stand-by mode;

5 pushing a button on one of said plurality of remote controllers to attempt to bring said
6 computer to a normal mode;

7 transmitting a password to said computer from said remote control device that attempted to
8 bring said computer back to a normal mode;

9 determining whether the remote controller used to attempt to bring said computer to a normal
10 mode is the same remote control device that booted said computer;

11 bringing said computer back to a normal mode if said remote control device used to bring
12 the computer back to a normal mode is the same remote control device used to boot the computer;
13 and

14 rebooting said computer and repeating all of the above steps if the remote control device used
15 to bring said computer to a normal mode is different from the remote control device used to boot the
16 computer.

1 11. (Original) The method of claim 10, further comprising the steps of:

2 transmitting to said computer from said one of said plurality of remote controllers a password
3 unique to said remote controller when said computer is booted;

4 saving said password of said remote controller to disk in said computer for future use; and
5 comparing a password transmitted to said computer by said remote controller that is
6 attempting to resume said computer to a normal mode with said password stored in said disk to
7 determine whether the remote controller used to attempt to resume said computer to a normal mode
8 is the same remote controller used to boot said computer.

1 12. (Original) The method of claim 11, wherein the multi-user computer includes a plurality
2 of save-to-disk storage areas for each one of said plurality of remote controllers.

as
1 13. (Currently Amended) A computer being operated by a remote control device, said remote
2 control device transmitting security information to said computer to activate said computer, said
3 computer comprising:

4 a remote control signal receiver for receiving signals from said remote control device;
5 a shell program for handling and transmitting ~~said~~ said received signals from said remote
6 control device; and
7 a general purpose input/output unit connected between said receiver and said shell program
8 to facilitate communication therebetween.

1 14. (Original) The computer of claim 13, said computer comprising a hierarchical structure
2 comprised of:

3 a hardware layer comprising said general purpose input/output unit and said receiver;

4 a basic input output system layer attached to said hardware layer;
5 an operating system layer connected to said basic input/output system layer; said operating
6 system layer comprising an operating system program that receives input from said shell program
7 regarding security information and determines whether security information input by said remote
8 device matches a security code stored in said computer; and
9 an application layer that comprises said shell program.

1 15. (Original) The computer of claim 13, wherein said remote control signal receiver
2 comprises a microprocessor for controlling the overall operation of the computer.

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1 16. (Original) A method for resuming normal operation of a computer when a computer is
2 in a standby mode, said method comprising the steps of:

3 determining whether or not there has been any input to said computer for a predetermined
4 period of time;

5 performing a screen save function;

6 switching said computer from a normal operation mode into a standby state;

7 pushing a button on a remote wireless device;

8 transmitting security data from said remote device to said computer;

9 checking whether the security data transmitted from said remote wireless device matches
10 security data stored within said computer; and

11 reviving said computer from said standby mode to a normal operation mode if said security

12 data input from said remote wireless device matches said security data stored within said computer.

1 17. (Original) The method of claim 16, further comprising the step of operating said
2 computer from said remote wireless device after said computer is restored to said normal operation
3 mode.

1 18. (Original) The method of claim 17, further comprising the step of displaying a prompt
2 requesting security code data to be input to said computer.

as
1 19. (New) The method of claim 3, further comprising determining whether the input device
2 is a wireless remote controller or not and requiring manual input of the first security code only when
3 said input device is not said wireless remote controller.

1 20. (New) The method of claim 3, further comprising determining whether the input device
2 is a wireless remote controller or not and automatically transmitting said first security code to said
3 computer when said input device is said wireless remote controller and when just one button has
4 been pressed on said wireless remote controller.
